Special Issue

Operation and Planning Strategies for Virtual Power Plants under Uncertainty

Message from the Guest Editors

We invite authors to submit novel research on the development of new methods for the optimal operation and planning strategies for virtual power plants (VPPs) within an uncertain environment, bringing together a variety of technologies that can enable the integration of a new form of distributed intermediation in electricity markets. We are specifically interested in the following areas (but are not limited to) :

- VPP operation and/or planning;
- Power generation uncertainty management;
- Decision-making tools for VPPs under uncertainty;
- Renewable energy systems integration;
- Peer-to-peer (P2P) power trade;
- Distributed renewable generation and smart grids;
- Smart contracts for P2P;
- Demand/production aggregation;
- Decentralized operation mechanisms;
- Electrical vehicle integration.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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